Financial analysis Ratio analysis

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Ratio Analysis



Definition: Ratio is the indicated quotient of two mathematical expressions which establishes the relationship in the quantity, amount or size between two things.

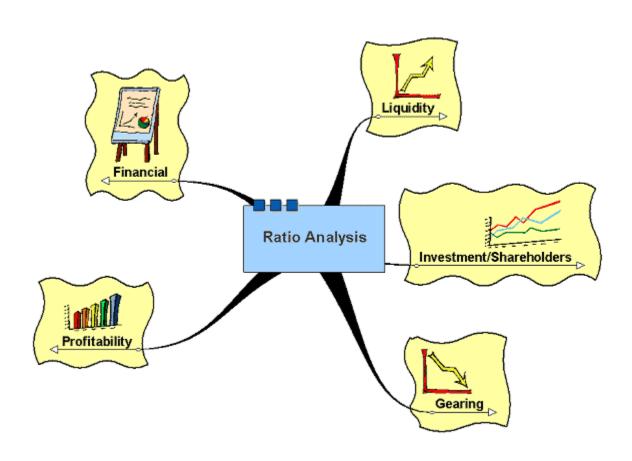
Ratio analysis expresses the relationship between selected financial data.

These relationships can be expressed as:

- percentages
- rates, or
- proportions

Ratio Analysis





Ratio Analysis



Liquidity Ratios: The Firm's ability to meet its current obligations

S.No	Ratio	Formula	Interpretation
1	Current Ratio	Current Assets/ Current Liabilities	Measures Short-term solvency, Margin of safety
2	Acid Test or Quick Ratio	(Current Assets – Inventories)/ Current Liabilities	More penetrating test of liquidity than Current Ratio
3	Cash Ratio	(Cash+ Marketable Securities)/ Current Liabilities	Even if the firm has less cash it need not be worrisome

Leverage Ratios



They judge the long term financial position of the company

S. No.	Ratio	Formula	Interpretation
1	Debt-Equity Ratio	Total Debt/ Net Worth	High proportion of debt adds to the risk; No debt or very less debt mean that the firm is not getting tax advantage
2	Debt Ratio	Total Debt/ Capital Employed	Outside liabilities are related to the total capitalization of the firm

Activity Ratios



Employed to evaluate the efficiency with which the firm utilizes its assets

S. No.	Ratio	Formula	Interpretation
1	Inventory Turnover	Cost of Goods Sold / Average Inventory	Low ratio implies excessive inventory levels or slow moving inventory; High ratio indicates low level of inventory which can lead to stock out situations
2	Stock Velocity	365 / Inventory Turnover	Indicated no. of days it takes for stock to move out. Higher days – Money Locked.

Activity Ratios



S. No	Ratio	Formula	Interpretation
3	Receivables (debtors) Turnover ratio	Credit Sales/ Average Debtors	Indicates how quickly the debtors are converted into cash
	Average Collection Period	Days in a year/ Debtors Turnover	Measures the quality of debtors
4	Assets Turnover ratio: (a) Net Assets Turnover	Sales/ Net Assets	Indicates the firm's ability to produce a certain volume of sales for a given amount of net assets

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Profitability Ratios



S. No	Ratio	Formula	Interpretation
1	Return on Investment (ROI): Return on Total Assets	EBIT(1-t)/ Total Assets	Higher the ratio, more efficient is the use of capital employed; Great concern of management and shareholders wealth maximization
	Return on Net Assets	EBIT(1-t)/	
		Net Assets	
2	Return on Equity (ROE)	Profit after Taxes/	Indicates profitability of owner's investment
		Net worth	